

ABSTRACT

A control system for an automatic transmission (5) includes an oil pressure control mechanism (100) for supplying an oil pressure to the transmission (5), and sensor (28, 29) for detecting the oil pressure supplied from the oil pressure control mechanism (100) to the transmission (5). System controller (20, 21) calculates a maximum torque transmittable by the transmission (5) based on a speed ratio of the transmission (5) and the detected oil pressure; calculate an engine torque reduction amount from the difference between the torque being inputted into the transmission (5) and the maximum transmittable torque; and reduce the torque of an engine (1) according to the engine torque reduction amount.